

Notices to the Product and the Usage

- Safety Flexible Gas Hose -

**Tested and Supervised by DVGW (German Association of the Gas and Water Fields)
with DVGW Test Mark**

Safety and Quality

Basic of testing: "Flexible tubes for gas burners in laboratories; Flexible tubes with end sockets and with or without reinforcement; Requirements and tests" DVGW G 5501 (P). The present used flexible tubes are specified in and fulfil the German standard DIN 30664, Part 1 "Flexible tubes for gas burners in laboratories without jacketing and reinforcing".

This product has a label with the DVGW test number while the trademark (signet) is followed by the quarter and year of manufacturing, such as 4.19 (4th quarter 2019). The end sockets are fitted for nozzles corresponding to DIN 12898. In this case additional tube clamps are not necessary.

Each safety flexible gas tube of the company D & N, Ltd. will be subject of a detailed leak test. Flexibility and elasticity of the tube and the reinforcement allow the installation in laboratory furniture. Additionally, the mobility and stability of the gas burner is guaranteed through the flexibility of the tube. There will be no folding (i.e. discontinuity of gas supply) – which is especially important in education at schools and colleges. The components of the flexible tube, the elastic end sockets and the reinforcement meet the requirements in an optimal and reliably way regarding the steadiness of pulling-off, tension, sideslip and flexural strength, non-aging and temperature resistance.

Range of models: Nominal lengths 0,5; 0,6; 0,75; 1; 1,25; 1,5; 2; 3 m and other lengths.

Operation Instructions

During transportation, storage and usage attention has to be paid to the outer skin of the safety flexible gas tube so it will not be scratched by objects with sharp edges.

The flexible tube is permitted to be used with gases according DVGW Working Sheet G260.

While pulling-off or sliding-on the flexible gas tube on the nozzles by hand, it is just allowed to hold the tube at the end sockets. It is important to ensure a tight fit of the end sockets on the nozzles. Generating pressure by pulling on the flexible tube in between the end sockets should absolutely be avoided.

Maintenance and Inspection for your Safety

Contact with pollution, especially by aggressive media, should be avoided. Due to reasons of local overstretching, pressure, aging effects, heat, light, ozone, acids and bases cracks can appear on the out- and inside of the flexible gas tube.

Therefore, it is essential to strictly check on the cracks regularly once they appear. These are found especially near the end sockets because here the strongest bending tensile stresses occur. The inspection periods have to be shortened if the product has come in contact with chemicals and / or if mechanical stress is executed on the outside of the tube.

Leak tests can be carried out in a dip water tank if necessary. Purification with water is harmless. After purification carefully dry the interior of the tube or blow out the water.

Safety flexible gas tubes with damages visible on the surface must be exchanged because the defective surface can evolve spontaneously into complete disruptions due to stress/ pressure.

For further questions, please contact your dealer or the manufacturer.

Working Pressure up to 100mbar!